

REMARKS

Claims 1-44 are currently pending in this application. Claims 1-11, 19-24 and 32-34 have been allowed while claims 12-18, 25-31, and 35-37 stand rejected. Additionally, the Applicant previously made a provisional election to prosecute claims 1-37 in response to the Examiner's verbal restriction requirement. The Applicant hereby affirms the election to prosecute claims 1-37 (Group I) and to withdraw claims 38-44 (Group II) from consideration.

In this Amendment and Response, the Applicant amends claims 12, 27-31, and 37 without any intention of disclaiming any equivalents thereof. The Applicants assert that no new matter is added by this amendment. In view of the following remarks, the Applicant respectfully requests reconsideration and withdrawal of each rejection, and allowance of all currently pending claims.

Claim Rejections

Claims 12-18, 25-31, and 35-37 stand rejected under 35 U.S.C. § 112, second paragraph, as being indefinite. With respect to independent claim 12, this claim has been amended, as reflected above in the listing of the claims, to recite that a delayed replica is used to determine predistortion. Applicant thanks the Examiner for suggesting this amendment and submits that claim 12, as amended, is now in condition for allowance.

Claims 13-18, 25-26, and 35-36 depend either directly or indirectly on independent claim 12, and thus include all the limitations of claim 12. Therefore, Applicant respectfully submits that these claims are patentable as well.

With respect to independent claim 27, this claim has been amended to recite among other limitations, delaying components of the input signal. As such, the rejection of claim 27 under 35 U.S.C. § 112 is now moot. Claims 28-31 and 37 depend directly or indirectly on independent claim 27, and as such, the rejections of these claims under 35 U.S.C. § 112 are also now moot.

Claims 27, 28, and 31 stand rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 6,208,207 to Cavers ("Cavers"). Applicant respectfully traverses these rejections. Claim 27, as amended, recites a decomposition means for decomposing an input signal and a combiner which combines signal components to form an output signal. In contrast,

Cavers does not disclose or suggest either of these elements. Moreover, as explicitly stated by the Office Action, "[t]he prior art of record fails to disclose utilizing a delayed replica of the input signal to determine predistortion in the context of decomposing, separately processing, and recombining the predistorted signal ..." Page 4. As Cavers does not disclose or suggest each of the limitations of amended claim 27, Applicant submits that claim 27 is patentable over Cavers.

Claims 28 and 31 depend directly or indirectly on claim 27, and thus include all the limitations thereof. As such, claims 28 and 31 are patentable as well, for at least the reasons discussed above with respect to claim 27.


CONCLUSION

In sum, the Applicant asserts that the specification fully supports the claims, as amended, and satisfies the requirements of 35 U.S.C. §112. In addition, the Applicant asserts that, as amended, the claimed invention differs from Cavers. Finally, the Applicant thanks the Examiner for allowance of claims 1-11, 19-24 and 32-34.

The Applicant believes the above amendments and remarks to be fully responsive to each objection and rejection raised by the Examiner. In view of these amendments and remarks, the Applicant believes that all of the claims currently pending in the present patent application are in condition for allowance. Prompt notice to this effect is respectfully requested. The Examiner is hereby invited to call the undersigned Attorney, if the Examiner believes that a telephone conversation would be helpful in expediting prosecution of the instant application.

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Respectfully submitted,



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